CLAIMS

1. A liquid matrix which is a liquid assistant for facilitating swallowing medicine characterized in comprising a water-soluble polymer gelling under acidic conditions, and the breaking stress of the gel is about 3.00×10^{2} N/m^{2} or more.

2. The liquid matrix according to claim 1, wherein the breaking stress of the gel is 2.00×10^{3} N/m^{2} or more.

3. The liquid matrix according to claim 1 or 2, wherein the viscosity of the liquid matrix is 3.0×10^{-1} Pa·s or less.

4. The liquid matrix according to any one of claims 1 to 3, comprising insoluble salt releasing polyvalent metallic cation under acidic conditions.

5. The liquid matrix according to claim 4, wherein the insoluble salt is alkaline earth metal salt of inorganic acid.

6. The liquid matrix according to any one of claims 1 to 5, wherein the water-soluble polymer has carboxyl group and/or sulfonic acid group in the chemical structure thereof.

7. The liquid matrix according to any one of claims 1 to 5, wherein the water-soluble polymer is alginate.

8. The liquid matrix according to any one of claims 1 to 5, wherein the water-soluble polymer is pectin.

9. The liquid matrix according to any one of claims 1 to 5, wherein the water-soluble polymer is combination of alginic acid and pectin.

10. ~~The liquid~~ matrix according to any one of claims 1 to 5, wherein the water-soluble polymer is a combination of alginate and pectin.

11. The liquid matrix according to any one of claims 1 to 5, wherein the water-soluble polymer is gellan gum.

12. The liquid matrix according to any one of claims 1 to 5, wherein the water-soluble polymer is combination of gellan gum and pectin.

13. The liquid matrix according to any one of claims 1 to 12, wherein the viscosity of the liquid matrix is about 1.0×10^{-1} Pa·s or less.

14. An oral liquid ~~preparation~~ characterized in comprising ~~the liquid~~ matrix according to any one of claims 1 to 13 and medicine.

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15. The oral liquid preparation according to claim 14, wherein the medicine has anti-*Helicobacter pylori* activity.

16. The oral liquid preparation according to claim 14 or 15, wherein the medicine is at least one member selected from the group consisting of penicillin antibiotics, macrolide antibiotics, tetracycline antibiotics, cepham antibiotics, and pyridonecarboxylic acid synthetic antibacterial agents.

17. The oral liquid preparation according to claim 16, wherein the medicine is at least one member selected from the group consisting of amoxicillin, clarithromycin, roxithromycin, minocycline hydrochloride, cephaclor, cephalexin, ofloxacin, tosufloxacin tosylate, and levofloxacin.

18. The oral liquid preparation according to any one of claims 14 to 17, wherein the liquid matrix is gelled in the stomach thereby exhibiting sustained release of the medicine.

19. The oral liquid preparation according to claim 14, wherein the medicine has therapeutic effect on stomach ulcer or duodenal ulcer.

20. The oral liquid preparation according to claim 19,

wherein the medicine having therapeutic effect on stomach ulcer or duodenal ulcer has effect of promoting protection factor.

21. The oral liquid preparation according to claim 20, wherein the medicine having an effect of promoting protection factor and a therapeutic effect on stomach ulcer or duodenal ulcer is prostaglandin.

22. The oral liquid preparation according to any one of claims 19 to 21, wherein the liquid matrix is gelled in the stomach thereby exhibiting sustained release of the medicine.

23. A method characterized in utilizing an aqueous solution of a water-soluble polymer gelling under acidic conditions as a component in a sustained-release oral liquid preparation.